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(71) Applicant (for all designated States except US): LUNA INNOVATIONS INCORPORATED [US/US]; 2851 Commerce Street, Blacksburg, Virginia 24060 (US).

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(72) Inventor; and

(75) Inventor/Applicant (for US only): GAUSE, Charles, B. [US/US]; 228 Lakeside Lane, Providence, North Carolina 27315 (US).

(74) Agents: DADIO, Susan, M. et al.; Burns, Doane, Swecker & Mathis, LLP, P. O. Box 1404, Alexandria, Virginia 22313-1404 (US).

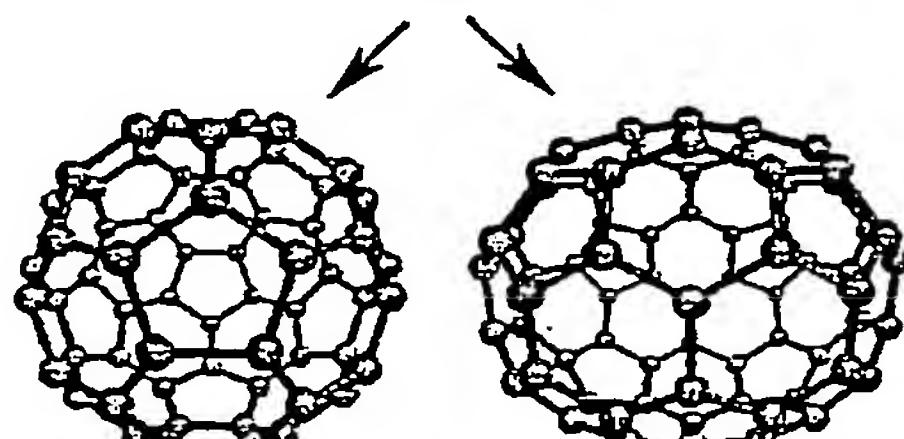
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(54) Title: A_{3-n}X_nN@C₈₀ ENDOHEDRAL METALLOFULLERENES AS LUBRICANT OF ADDITIVE, CORROSION-RESISTANT COATING, AND THERMALLY-CONDUCTIVE MATERIALS.

Empty Cage Fullerenes

C₆₀ (I_h)C₇₀ (D_{5h})

(57) Abstract: A_{3-n}X_nN@C₈₀ endohedral metallofullerenes used as or in lubricant, lubricant additive, corrosion-resistant, and thermally conductive materials are disclosed. Methods of making and using are provided.